

PARUL UNIVERSITY
FACULTY OF NURSING
B.Sc. Nursing (Basic), January 2020 Examination

Year: 2**Subject Code: 09101203****Subject Name: Pharmacology, Pathology & Genetics****Date: 22/01/2020****Time: 02:00 pm to 05:00 pm****Total Marks: 75****Instructions:**

1. Attempt all questions from each section.
2. Figures to the right indicate full marks.
3. Draw diagrams wherever necessary.
4. Write section-A, section-B on separate answer sheets.

SECTION-A: Pharmacology (38 MARKS)

Q-1 Long Essays (Any one out of two) (1x 10) (10)

1. Enumerate various routes of administration of drugs and describe advantages and disadvantages of parenteral route
2. Classification of drugs used in Angina pectoris and pharmacological action of each class.

Q-2 Short Essays (Any four out of six) (4 x 5) (20)

1. Principles of drug administration
2. Factors affecting the absorption of drugs
3. Classification of antihypertensive drugs
4. Nurses role while administration of Digoxin
5. Explain Pharmacokinetics
6. Classification of Analgesics

Q-3 Short Answers (Any four out of six) (4 x 2) (08)

1. Define Pharmacodynamics
2. Classify antileprosy drugs
3. Define Drug Toxicity
4. Action of Atropine
5. Define teratogenicity
6. Classification of Diuretics

SECTION B: Pathology and Genetics (37 MARKS)

PATHOLOGY

Q-1 Long Essays (Any one out of two) (1x 10) (10)

1. Describe Acute Inflammation in detail
2. Describe Wound healing process in detail

Q-2 Short Essays (Any three out of five) (3 x 5) (15)

1. Liver cirrhosis
2. Mechanism of atherosclerosis
3. Peptic ulcer disease
4. Difference between benign and malignant tumors
5. Blood group and Rh system

GENETICS

Q-3 Short Essays (Any two out of four) (2 x 5) (10)

1. Explain gene therapy
2. Explain Sickle cell Anemia
3. Sex-linked recessive inheritance; draw and label diagram showing marriage between normal woman and color-blind man.
4. Difference between mitosis and meiosis

Q-4 Short Answers (1 x 2) (02)

1. Define Down syndrome